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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	10/722,789
	Filing Date	November 26, 2003
	First Named Inventor	R. Glasson
	Art Unit	3745
	Examiner Name	Lopez, Frank D.
	Attorney Docket No.	CPI 3 CON

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DDY-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JPL		US-2,498,799	02/1950	Erickson	
		US-3,403,365 <i>110</i>	9/24/1968	Richards	
		US-3,777,273	12/4/1973	Baba et al.	
		US-3,988,710	10/26/1976	Sidor et al.	
		US-4,005,396	1/25/1977	Fujiwara, et al.	
JPL		US-4,057,904	11/15/1977	Vrable et al.	
		<del>US-4,121,504</del>	<del>10/24/1978</del>	<del>Nowak</del>	
JPL		US-4,214,180	7/22/1980	Kuwako, et al.	
		US-4,231,700	11/4/1980	Studebaker	
JPL		<del>US-4,286,386</del>	<del>9/1/1981</del>	<del>Long</del>	
		US-4,288,196	9/8/1981	Sutton II	
JPL		US-4,319,864	3/16/1982	Kaufeldt	
		US-4,342,884	8/3/1982	Ban et al.	
		US-4,367,998	1/11/1983	Causer	
		US-4,386,552 <i>110</i>	6/7/1983	Foxwell	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DDY-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>TDh</i>		US-4,413,245	11/1/1983	Bartholomaeus, et al.	
		US-4,425,557	1/10/1984	Nakamura	
		US-4,488,014	12/11/1984	Daniel et al.	
		US-4,497,375	2/5/1985	Mucheyer, et al.	
		US-4,653,190	3/31/1987	Spain, Jr.	
		US-4,737,698	4/12/1988	McMullin, et al.	
		US-4,914,389	4/3/1990	Juds	
		US-4,945,221	7/31/1990	Nielsen et al.	
<i>*</i>		<del>US-4,989,322</del>	<del>2/5/1991</del>	<del>Pullen</del>	
<i>TDh</i>		US-4,999,579	3/12/1991	Winfried	
		US-5,024,250	6/18/1991	Nakamura	
<i>*</i>		<del>US-5,046,243</del>	<del>9/10/1991</del>	<del>Walker</del>	
<i>TDh</i>		US-5,156,242	10/20/1992	Ditzig	
		US-5,200,747	4/6/1993	Betz et al.	
		US-5,341,724	8/30/1994	Vatel	
		US-5,364,043	11/15/1994	Linderorth	
		US-5,389,876	2/14/1995	Hedengren, et al.	
		US-5,404,661	4/11/1995	Sahm et al.	
		US-5,444,369	8/22/1995	Luetzow	
		US-5,467,938	11/21/1995	Redman	
		US-5,659,248	8/19/1997	Hedengren, et al.	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DDY-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>JH</i>		US-5,681,006	10/28/1997	Herd et al.	
		US-5,693,935	12/2/1997	Hassler, Jr., et al.	
		US-5,694,042 <i>p</i>	12/2/1997	Eaton et al.	
		US-5,701,793	12/30/1997	Gardner et al.	
		US-5,752,811	5/19/1998	<del>McCurley et al.</del> <i>Petro</i>	
		US-5,757,179	5/26/1998	McCurley et al.	
		US-5,768,946	6/23/1998	Fromer et al.	
		US-5,789,917	8/4/1998	Oudet al.	
		US-5,841,274	11/24/1998	Masreliez, et al.	
		US-5,894,678	4/20/1999	Masreliez, et al.	
		US-5,901,458	5/11/1999	Andermo	
		US-5,936,399	8/10/1999	Andermo, et al.	
		US-5,955,881	9/21/1999	White et al.	
		US-5,973,494	10/26/1999	Masreliez, et al.	
		US-6,160,395	12/12/2000	Goetz et al.	
<i>*</i>		<del>US-6,234,061</del>	<del>5/22/2001</del>	<del>Glasson</del>	
<i>JH</i>		US-6,259,249	7/10/2001	Miyata et al.	
		US-6,279,248	8/28/2001	Walters	
		US-6,335,618	1/1/2002	Nahum	
		US-6,353,314	3/5/2002	Moerbe	
		US-6,360,449	3/26/2002	Steentjes	
<i>✓</i>		US-6,443,385	09/3/2002	Grandauer et al.	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DDY-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
720		US-6,487,787	12/3/2002	Nahum, et al.	
		US-6,499,225	12/31/2002	Steinich	
		US-6,501,264	12/31/2002	Shiraishi, et al.	
		US-6,522,129	2/18/2003	Miyata	
		US-6,543,152	4/8/2002	Steinich	
		US-6,545,461	4/8/2003	Miyata	
		US-6,611,138	8/26/2003	Vasiloiu	
		US-6,636,035	10/21/2003	Kiriyama, et al.	
		US-6,646,434	11/11/2003	Miyata, et al.	
✓		US-6,669,135	12/30/2003	Hartley	

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	Art Unit	
	Examiner Name	Unassigned
	Attorney Docket No.	CPI 3 CON

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>T296</i>		US 2003/0131724 Neumann, Published July 17, 2003.	
		Patent Abstract of JP 11211410 Jitosho, August 6, 1999.	
		Applied Technologies Group, <u>Part Design for Ultrasonic Welding</u> , Branson, November 1999.	
		Applied Technologies Group, <u>Ultrasonic Staking, Branson</u> , November 1999.	
✓		Murakami, Taku, <u>Precision Angle Sensor Unit for Construction Machinery</u> , International Off-Highway & Powerplant Congress & Exposition, September 8-10, 1997.	

Foreign Patent Documents

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)				
<i>TDA</i>		EP0325787 B <i>p105</i>	8/2/1989	Juds et al.		
		EP0505297 A <i>p105</i>	9/23/1992	Pierre et al.		
		EP0896855 A	2/17/1999	Nagai et al.		
		DE3835782A <i>p105</i>	4/26/1990	Kipp Johann-Carsten		
		DE2635614A <i>p105</i>	2/9/1978	Sillner		
		DE19908036	8/31/2000	Keller et al.		
		JP11211410	8/6/1999	Jitosho		
		<del>FR2,794,236 <i>p105</i></del>	<del>12/1/2000</del>	<del>Jacques</del>		
<i>TDA</i>		PCT WO-9955613	11/1999	Hartley		

Examiner Signature	<i>TDA</i>	Date Considered	<i>8/1/05</i>
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\* Previously cited